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OM nucleic - nucleic search, using sw model

Run on: March 14, 2004, 12:00:04 ; Search time 81 Seconds

(without alignment) 2987.143 Million cell updates/sec

Title: US-09-806-301-1

Perfect score: 436

Sequence: 1 ttgttttgttgaagcttgatcttccaaaaaaa 436

Scoring table: IDENTITY_NUC

Gpop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patients NAI:
 1: /cg92_6/podata/2/ina/5A_COMB.seq: *
 2: /cg92_6/podata/2/ina/5B_COMB.seq: *
 3: /cg92_6/podata/2/ina/6A_COMB.seq: *
 4: /cg92_6/podata/2/ina/6B_COMB.seq: *
 5: /cg92_6/podata/2/ina/pCTUS_COMB.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is greater by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	436	100.0	436	3 US-09-821451A-3
2	436	100.0	436	3 US-09-263-810-3
3	436	100.0	436	4 US-09-583-169-3
4	431.2	98.9	482	3 US-09-912-76-4
5	421	96.6	482	2 US-09-215-818-2
6	421	96.6	482	4 US-09-467-652A-2
7	421	96.6	494	3 US-09-912-76-3
8	391.7	89.7	405	4 US-09-969-987-4
9	288.4	66.1	433	3 US-09-821-451A-1
10	288.4	66.1	433	3 US-09-263-810-1
11	288.4	66.1	433	4 US-09-583-169-1
12	226	51.8	230	3 US-09-912-76-2
13	224	51.4	237	3 US-09-912-76-1
14	223	51.1	231	4 US-09-389-81-209
15	223	51.1	231	4 US-09-620-105B-209
16	223	51.1	231	4 US-09-339-318-209
17	223	51.1	231	4 US-09-433-226B-209
18	223	51.1	231	4 US-09-604-287A-209
19	223	51.1	231	4 US-09-834-259-209
20	190.4	43.7	384	4 US-09-673-295A-20
21	38.8	8.9	267	4 US-09-134-00C-2612
22	364	8.1	426	4 US-09-933-711B-12
23	35.2	8.1	2091	4 US-09-233-711B-3
24	35.2	8.1	1010	4 US-09-234-245-5
25	35	8.0	3715	4 US-09-234-245-1
26	35	8.0	1875	2 US-09-683-743-3
27	34.4	7.9		

ALIGNMENTS

RESULT 1
US-09-821-451A-3
; Sequence 3, Application US/09821451A
; Patent No. 6066724
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/09821451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PP257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 436 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cDNA
; US-09-821-451A-3

Query Match Similarity 100.0%; Score 436; DB 3; Length 436;
Best Local Similarity 100.0%; Pred. No. 9.5e-129; Indels 0; Gaps 0;
Matches 436; Conservative 0; Mismatches 0;

Qy 1 TTTTGTGAAAGCTGAGCTACAGGAACGACCACTGAGCTGGTGTCTC 60

TOPOLOGY: LINEAR
MOLECULE TYPE: cDNA
US-09-263-810-3

Query Match 100.0%; Score 436; DB 3; Length 436;
Best Local Similarity 100.0%; Pred. No. 9, 5e-129;
Matches 436; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 TTGTTGIGAAGCTGAGCTCACAGCAAAACAGCAGCATGAGCTTCGGTGTCTC 60
Qy 61 CTGCTGGTCAGCGTGGCCCTCTGTGTACAGCTAGGCCATGCGAGTCTGCCAGCTT 120
Db 61 CTGCTGGTCAGCGTGGCCCTCTGTGTACAGCTAGGCCATGCGAGTCTGCCAGCTT 120
Qy 121 GTTCTGAGCTGTAGACTCTCTTCAATGAGCTCTGTGTCAAGTTAGTCCTGCC 180
Db 121 GTTCTGAGCTGTAGACTCTCTTCAATGAGCTCTGTGTCAAGTTAGTCCTGCC 180
Qy 181 AAATTGATCCCTCCGAAGAGGCTCATGGGGAGGTGGTGAATATGAGAAA 240
Db 181 AAATTGATCCCTCCGAAGAGGCTCATGGGGAGGTGGTGAATATGAGAAA 240
Qy 241 CAGATGTCCTTCAGAACAGGAGCTCATGGGGAGGTGGTGAATATGAGAAA 300
Db 241 CAGATGTCCTTCAGAACAGGAGCTCATGGGGAGGTGGTGAATATGAGAAA 300
Qy 301 TGTAGTGTGAGCTTAAGAACTTCATCTGTGTTCACTGCTTCATGACACCT 360
Db 301 TGTAGTGTGAGCTTAAGAACTTCATCTGTGTTCACTGCTTCATGACACCT 360
Qy 361 GATCTTCACTGCAGATGTAAGGTTCAGCTTGCTGTTCACTGCTTC 420
Db 361 GATCTTCACTGCAGATGTAAGGTTCAGCTTGCTGTTCACTGCTTC 420
Qy 421 AAAAAAAAGAAAAA 436
Db 421 AAAAAAAAGAAAAA 436

RESULT 2
US-09-263-810-3

Sequence 3, Application US/09263810

Patent No. 6174922

GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
Title of Invention: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
CITY: ROSELAND
STATE: NEW JERSEY
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263, 810
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821, 451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J. G.
REGISTRATION NUMBER: 33, 073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 436 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE

RESULT 3
US-09-583-169-3

Sequence 3, Application US/09583169

Patent No. 6338948

GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
Title of Invention: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/583, 169
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821, 451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33, 073

GENERAL INFORMATION:
; APPLICANT: Colpitts, Tracey
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 5912.US.P2
; CURRENT FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US/09/215,818A
; EARLIER FILING DATE: 1997-08-17
; EARLIER APPLICATION NUMBER: 08/912,276
; EARLIER FILING DATE: 1996-08-19
; EARLIER APPLICATION NUMBER: 08/912,149
; EARLIER FILING DATE: 1997-08-15
; EARLIER APPLICATION NUMBER: 08/697,106
; EARLIER FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSEQ for Windows version 3.0
; SEQ ID NO 2
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo Sapiens
; US-09-215-818-2

Query Match 96.6%; Score 421; DB 4; Length 482;
Best Local Similarity 100.0%; Pred. No. 5.8e-124; Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGTTGCGAAACTGACTCAGCGAAACAGCCACCAAGGCGACATGAAGTGTGGTgtCTC 60
Db 58 TTGTTGCGAAACTGACTCAGCGAAACAGCCACCAAGGCGACATGAAGTGTGGTgtCTC 117
QY 61 CTGCGTGTCAACGCTGGCCCTCTGCTGACCGCCATGCGAGTTGCGCAGCTT 120
Db 118 CTGCGTGTCAACGCTGGCCCTCTGCTGACCGCCATGCGAGTTGCGCAGCTT 177
QY 121 GTTTCGAGCTTGAGACTCTCTCATAGTGAACCTTGTCAGGTTAGCTGCC 180
Db 178 GTTTCGAGCTTGAGACTCTCTCATAGTGAACCTTGTCAGGTTAGCTGCC 237
QY 181 AAATTGATGCCCTCCGAAAGCTGTTAGGAGTGAAGAGTGCAGGAT 240
Db 238 AAATTGATGCCCTCCGAAAGCTGTTAGGAGTGAAGAGTGCAGGAT 297
QY 241 CAGATGTCCTTCAAAGAAACCTCTTGGAGGCTGTAATGAGAAA 300
Db 298 CAGATGTCCTTCAAAGAAACCTCTTGGAGGCTGTAATGAGAAA 357
QY 301 TGTAGTGTGACATGAAACCTTCATCTCTTCACTGCTTCAATGACCT 360
Db 358 TGTAGTGTGACATGAAACCTTCATCTCTTCACTGCTTCAATGACCT 417
QY 361 GATCTCACTGCAGATTAAGGTTAACGCTGTGTTATAATCACTGCTCC 420
Db 418 GATCTCACTGCAGATTAAGGTTAACGCTGTGTTATAATCACTGCTCC 477
QY 421 A 421
Db 478 A 478

RESULT 6
US 09-467-6022-2
; Sequence 2, Application US/09467602A
; Patent No. 6552164
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Colpitts, Tracey L.
; APPLICANT: Russell, John C.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 5972.US.P5
; CURRENT APPLICATION NUMBER: US/09/467,602A
; CURRENT FILING DATE: 1999-12-20

RESULT 7
US-09-912-276-3
; Sequence 3, Application US/08912276
; Patent No. 6183952
; GENERAL INFORMATION:
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colpitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Gordon, Julian
; APPLICANT: Grandas, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klass, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Russell, John C.
; APPLICANT: Stroupe, Steven D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 STATE: IL
 CITY: Abbott Park
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: Faster® for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/912,276
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 5,972.US.P1
 TELECOMMUNICATION INFORMATION:
 LENGTH: 494 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-912-276-3

Query Match 95.6%; Score 421; DB 3; Length 494;
 Best Local Similarity 100.0%; Pred. No. 5,9e-124;
 Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGTTGAGCTGAGCTACAGCAACAGGCCATGAGCTGCGTGTCTC 50
 Qy 70 TTGTTGAGCTGAGCTACAGCAACAGGCCATGAGCTGCGTGTCTC 129
 Db 61 CTGCTGTCAGCTGCGCCCTCTGCTCACAGCCAAACAGCCAACTGAGCTGCGTGTCTC 120
 Db 130 CTGCTGTCAGCTGCGCCCTCTGCTCACAGCCAAACAGCCAACTGAGCTGCGTGTCTC 189
 Qy 121 GTTCTGAGCTGAGCTCTCTCATAGTGACCTCTGTCAGTAACTCTGCC 180
 Db 190 GTTCTGAGCTGAGCTCTCTCATAGTGACCTCTGTCAGTAAGCTGCC 249
 Qy 181 AAATTGATGCCCTGGAGCTGTCAGGCTAGTGAGTGAGTGAGATGACGGAT 240
 Db 250 AAATTGATGCCCTGGAGCTGTCAGGCTAGTGAGTGAGTGAGATGACGGAT 309
 Qy 241 CAGATGTCCTTCAGAACCAAGCTCATGGCTGAGCTCTGGAGAATATGAAAA 300
 Db 310 CAGATGTCCTTCAGAACCAAGCTCATGGCTGAGCTCTGGAGAATATGAAAA 369
 Qy 301 TGTGTTGAGCTGAGCTACAGCAACAGGCCATGAGCTGCGTGTCTC 360
 Db 370 TGTGTTGAGCTGAGCTACAGCAACAGGCCATGAGCTGCGTGTCTC 429
 Qy 361 GATCTCACTCCAGATGAGCTCAAGCTGCTTAAACAGCTGCTC 420
 Db 430 GATCTCACTCCAGATGAGCTCAAGCTGCTTAAACAGCTGCTC 489
 Qy 421 A 421
 Db 490 A 490

RESULT 8
 Sequence 4, Application US/08/69987A
 Patent No. 6,032,927
 GENERAL INFORMATION:
 APPLICANT: Seillamer, Jeffrey J.
 APPLICANT: Lincoln, Steve
 APPLICANT: Klinge, Tod M.
 APPLICANT: Au-Youn, Janice
 APPLICANT: Tang, Y. Tom
 APPLICANT: Goold, Richard
 APPLICANT: Akerblom, Ingrid E.
 APPLICANT: Seillamer, Jeffrey J.
 APPLICANT: Hawkins, Phillip R.
 APPLICANT: Murry, Lynn E.
 APPLICANT: Deleeanne, Angelo M.
 APPLICANT: Levine, Wendy B.
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Goli, Surya K.
 APPLICANT: Altus, Christina M.
 APPLICANT: Bandman, Olga
 APPLICANT: Labrie, Samuel T.
 APPLICANT: Shah, Purvi
 TITLE OF INVENTION: Database for Storage and Analysis of
 FILE REFERENCE: 6514-069001
 CURRENT APPLICATION NUMBER: US/08/969,987A
 CURRENT FILING DATE: 1997-11-13
 EARLIER APPLICATION NUMBER: 08/282,955
 EARLIER FILING DATE: 1995-07-29
 EARLIER APPLICATION NUMBER: 08/187,530
 EARLIER FILING DATE: 1994-01-27
 EARLIER APPLICATION NUMBER: 08/179,873
 EARLIER FILING DATE: 1994-01-11
 EARLIER APPLICATION NUMBER: 08/100,523
 EARLIER FILING DATE: 1993-08-03
 EARLIER APPLICATION NUMBER: 07/977,780
 EARLIER FILING DATE: 1993-11-19
 EARLIER APPLICATION NUMBER: 07/916,491
 EARLIER FILING DATE: 1992-07-17
 EARLIER APPLICATION NUMBER: 08/289,822
 EARLIER FILING DATE: 1994-08-12
 EARLIER APPLICATION NUMBER: 08/581,240
 EARLIER FILING DATE: 1995-12-29
 EARLIER FILING DATE: 1992-05-29
 EARLIER APPLICATION NUMBER: 08/657,697
 EARLIER FILING DATE: 1996-11-12
 EARLIER APPLICATION NUMBER: 08/747,547
 EARLIER FILING DATE: 1997-01-23
 EARLIER APPLICATION NUMBER: 08/712,710
 EARLIER FILING DATE: 1996-09-12
 EARLIER APPLICATION NUMBER: 08/744,026
 EARLIER FILING DATE: 1996-11-05
 EARLIER APPLICATION NUMBER: 08/786,999
 EARLIER FILING DATE: 1997-10-16
 EARLIER FILING DATE: 1997-10-16
 NUMBER OF SEQ ID NO: 10
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 4
 LENGTH: 405
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-08-969-987-4

Query Match 89.7%; Score 391; DB 4; Length 405;
 Best Local Similarity 100.0%; Pred. No. 1,8e-114;
 Matches 391; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGTGTTGAGCTGAGCTACAGCAACAGGCCATGAGCTGCGTGTCTC 60
 Db 15 TGTGTTGAGCTGAGCTACAGCAACAGGCCATGAGCTGCGTGTCTC 74

Qy 61 CTGCTGTCAAGCTGGCCCTCTGCTGCTACCGCCATGCCAATGCCAGTTGCCAGCCTT 120
 Db 75 CTGCTGTCAAGCTGGCCCTCTGCTGCTACCGCCATGCCAATGCCAGTTGCCAGCCTT 134
 Qy 121 GTTCTGAGCTGTTAGACTCTCTCATGTAACCTGTCAGTTAGCTCTGCC 180
 Db 135 GTTCTGAGCTGTTAGACTCTCTCATGTAACCTGTCAGTTAGCTCTGCC 194
 Qy 181 AAATTGATGCCCTCGGAAAGCTGTGAGGAGATGAGAGATGACGGAT 240
 Db 195 AAATTGATGCCCTCGGAAAGCTGTGAGGAGATGAGAGATGACGGAT 254
 Qy 241 CAGATGTCCTCAAGAACGAGCCCTATCGGAGTCCTGGAAATATGAGAA 300
 Db 255 CAGATGTCCTCAAGAACGAGCCCTATCGGAGTCCTGGAAATATGAGAA 314
 Qy 301 TGTAGTGTCGTCAGTAAACCTTCAGCTGGTCTGCTTCATGACCT 360
 Db 315 TGTAGTGTCGTCAGTAAACCTTCAGCTGGTCTGCTTCATGACCT 374
 Qy 361 GATCTTCACTCAGAAGTGAAGGTTCAC 391
 Db 375 GATCTTCACTCAGAAGTGAAGGTTCAC 405

RESULT 9
 US-08-821-451A-1
 ; Sequence 1, Application US/08821451A
 ; GENERAL INFORMATION:
 APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
 TITLE OF INVENTION: Human Endometrial Specific Steroid-
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEES: CARELLA, BYRNE, BAIN, GILFILLAN,
 ADDRESSEE: CBCCHI, STEWART & OLSTEIN,
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/821,451A
 FILING DATE: March 21, 1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/014,724
 FILING DATE: March 21, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: MULLINS, J.G.
 REFERENCE DOCKET NUMBER: 33, 073
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 433 BASE PAIRS
 TYPE: NUCLEIC ACID
 STRANDEDNESS: SINGLE
 TOPOLOGY: LINEAR
 MOLECULE TYPE: CDNA
 US-08-821-451A-1

Matches 340; Conservative 0; Mismatches 86; Indels 0; Gaps 0;
 Qy 5 TTGGAAGTGGAGTCACGCAAACAGCCACCATGAGCTGCGGTTGTCGGC 64
 Db 8 TTGGAAGTGGAGTCACGCAAACAGCCACCATGAGCTGCGGTTGTCGGC 67
 Qy 65 TGGCACTGCCCCCTGCTGCTACCAAGCCATGCCAGTCAGCTGCTGCT 124
 Db 68 TGGCACTGCCCCCTGCTGCTACCAAGCCATGCCAGTCAGCTGCTGCT 127
 Qy 125 CTGAGCTTAGACTCTCTCATGTAACCTGTCAGTTAGCTCTGCCAAT 184
 Db 128 CTGAGCTACAGTCCTCTTAATCTTAGCTGACGCTGCGGTTAACCTCCAGTTGCCAAC 187
 Qy 185 TTGATGCCCTCGGAGCTGTGAGCAGTTGAGAGATGACGGATCAGA 244
 Db 188 TTATCCACCTCAGAAGCTTGAGCAGCTGAGCTGAGGAAATATGAGAA 247
 Qy 305 GGTGTCAGTAAACCTTCATGCTGTTCTGTTCAATGCCACCTGATC 364
 Db 308 GGTGTCAGTAAACCTTCATGCTGTTCTGTTCAATGCCACCTGATC 367
 Qy 365 TTCACTGCGAGATGAAAGTTCACTGCTGCTTAATCACTGCTCTCCAAA 424
 Db 368 TTCACTAATAATGTAAGGTTCAACAGTTGCTTATAATCACTGCTCTCCACAT 427
 Qy 425 AAAAAA 430
 Db 428 CAAAA 433

RESULT 10
 US-09-263-810-1
 ; Sequence 1, Application US/09263810
 ; Patent No. 614992
 ; GENERAL INFORMATION:
 APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
 TITLE OF INVENTION: Human Endometrial Specific Steroid-
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEES: CARELLA, BYRNE, BAIN, GILFILLAN,
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/263,810
 FILING DATE:
 CLASIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/821,451
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: MULLINS, J.G.
 REFERENCE DOCKET NUMBER: 33, 073
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:

LENGTH: 433 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR

MOLECULE TYPE: cDNA
US-09-263-810-1

Query Match 66.1%; Score 288.4; DB 3; Length 433;
Best Local Similarity 79.8%; Pred. No. 7.1e-82;
Matches 340; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 5 TTGGAAGCTGAGCTCAGCAACACGACCATGAGCTGAGCTGTCGTTCTGC 64
Db 8 TTGAAAGCTGAGCTCAGCAACACGACCATGAGCTGAGCTGTCGTTCTGC 67

QY 65 TGGTACGGTGGCCCTGTGTGTACCAAGGCCATGCGGAGTCGCCAACCTGT 124
Db 68 TGGTACGGTGGCCCTGTGTGTACCAAGGCCATGCGGAGTCGCCAACCTGT 127

QY 125 CTGAGCTGTTAGACTCTCTTCATTAGTGAACTCTGGTCAAGTAAGTGTGCAAT 184
Db 128 CTGAGATCACAGCTCTCTTCTTCTTAACTGAGCTCAGCAAC 187

QY 185 TGTATGCCCTCGGAAGCTGTGGTCAAGCTTAACTGAGCTGAGCTGTCGAA 244
Db 188 TTATCCACCTCCAGAAGCTCTGAGCTGAGCTGAGCTGTCGAA 247

QY 245 TGGCCCTTCAAGAACGAGCTCATGGGGAGTGGCCCTGGTCAAGTAATGAA 304
Db 248 TATCTTAAAGAAAGACTCTCATGGAAAGAATGCTGGTAAATGAAATGTG 307

QY 305 GTGTGAGCATGAAACTTCACTCTGGTCCACTGTGTTCAATGAGACCTGATC 364
Db 308 GTGTGAGCATGAAACTTCACTCTGGTCCACTGTGTTCAATGAGACCTGATC 367

QY 365 TTACTGGAGATGAAAGTTCAAGCTGCTTAACTGAGCTGTCGAA 424
Db 368 TTCACTAAATAATGTTAAAGGTTCAACAGTGCTTAAATAATCACTGCCCACAT 427

QY 425 AAAAA 430
Db 428 CAAAA 433

RESULT 11
US-09-583-169-1

; Sequence 1, Application US/09583169
; Patent No. 6318948

GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/583,169
FILING DATE: 09/09/2000
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE: 08/21/1997
FILING DATE: 08/21, 451

ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 328800-521 (PP257)

TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 433 BASE PAIRS
TOPOLogy: NUCLEIC ACID
STRANDEDNESS: SINGLE
MOLECULE TYPE: cDNA

US-09-583-169-1

Query Match 66.1%; Score 288.4; DB 4; Length 433;
Best Local Similarity 79.8%; Pred. No. 7.1e-82; Mismatches 86; Indels 0; Gaps 0;

QY 5 TTGGAAGCTGAGCTCAGCAACACGACCATGAGCTGAGCTGTCGTTCTGC 64
Db 8 TTGAAAGCTGAGCTCAGCAACACGACCATGAGCTGAGCTGTCGTTCTGC 67

QY 65 TGGTACGGTGGCCCTGTGTGTACCAAGGCCATGCGGAGTCGCCAACCTGT 124
Db 68 TGGTACGGTGGCCCTGTGTGTACCAAGGCCATGCGGAGTCGCCAACCTGT 127

QY 125 CTGAGCTGTTAGCTCTCTTCATTAGTGAACTCTGGTCAAGTAATGAA 184
Db 128 CTGAGATCACAGCTCTCTTCTTCTTAACTGAGCTGAGCTGTCGAA 187

QY 185 TGTATGCCCTCGGAAGCTGTGGTCAAGCTTAACTGAGCTGTCGAA 244
Db 188 TTATCCACCTCCAGAAGCTCTGAGCTGAGCTGTCGAA 247

QY 245 TGGCCCTTCAAGAACGAGCTCATGGGGAGTGGCCCTGGTCAAGTAATGAA 304
Db 248 TATCTTAAAGAAAGACTCTCATGGAAAGTGGTAAATGAAATGTG 307

QY 305 GTGTGAGCATGAAACTTCACTCTGGTCCACTGTGTTCAATGAGACCTGATC 364
Db 308 GTGTGAGCATGAAACTTCACTCTGGTCCACTGTGTTCAATGAGACCTGATC 367

QY 365 TTACTGGAGATGAAAGTTCAAGCTGCTTAACTGAGCTGTCGAA 424
Db 368 TTCACTAAATAATGTTAAAGGTTCAACAGTGCTTAAATAATCACTGCCCACAT 427

QY 425 AAAAA 430
Db 428 CAAAA 433

RESULT 12
US-09-912-276-2

; Sequence 2, Application US/0912276

; Patient No. 618352

GENERAL INFORMATION:
APPLICANT: Billing-Medel, Patricia A.

APPLICANT: Cohen, Maurice

APPLICANT: Colpitts, Tracey L.

APPLICANT: Friedman, Paula N.

APPLICANT: Gordon, Julian

APPLICANT: Grandios, Edward N.

APPLICANT: Hodges, Steven C.

APPLICANT: Klasas, Michael R.

APPLICANT: Klatovich, Jon D.

APPLICANT: Roberts-Rapp, Lisa

APPLICANT: Russell, John C.

APPLICANT: Strome, Steven D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

NUMBER OF SEQUENCES: 25
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST


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; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 209
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (83)
; OTHER INFORMATION: n=A,T,C or G
US-09-389-681-09

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Query Match 51.1%; Score 223; DB 4; Length 231;
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Best Local Similarity 99.6%; Pred. No. 2.9e-61; Matches 223; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 198 GGAAGCTGTTGAGCCAGTGGAGTAGGAGAAGAGATGACCGATCAGATGCCCTCAGAA 257
Db 225 GGAAAGCTCTTGAGCCAGTGGAGTAGGAGAAGAGATGACCGATCAGATGCCCTCAGAA 166
Qy 258 AGCAAGCTCATTCATGGGAGATGCTGGTAAATGAGAAGATGAGATGCTGAGATGT 317
Db 165 AGAAAGCTCATTCATGGGAGATGCTGGTAAATGAGAAGATGAGATGCTGAGATGT 106
Qy 318 AAAACTTCATCTGCTTCACTGTTCAATGACCCATGCTGAGATGCTGAGATGT 377
Db 105 AAAACTTCATCTGCTTCACTGTTCAATGACCCATGCTGAGATGT 46
Qy 378 GAAAGCTTCACTGCTGCTTAATAACTGCTGCTCCA 421
Db 45 GAAAGCTTCACTGCTGCTTAATAACTGCTGCTCCA 2

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RESULT 15
US-09-620-405B-209/c
; Sequence 209, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Darin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocke, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121470C8
; CURRENT FILING DATE: 2000-07-20
; CURRENT APPLICATION NUMBER: US/09/620,405B
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 209
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (83)
; OTHER INFORMATION: n=A,T,C or G
US-09-620-405B-209

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Query Match 51.1%; Score 223; DB 4; Length 231;
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Best Local Similarity 99.6%; Pred. No. 2.9e-61; Matches 223; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 198 GGAAGCTGTTGAGCCAGTGGAGTAGGAGAAGAGATGACCGATCAGATGCCCTCAGAA 257
Db 225 GGAAAGCTCTTGAGCCAGTGGAGTAGGAGAAGAGATGACCGATCAGATGCCCTCAGAA 166
Qy 258 AGCAAGCTCATTCATGGGAGATGCTGGTAAATGAGAAGATGAGATGCTGAGATGT 317
Db 165 AGAAAGCTCATTCATGGGAGATGCTGGTAAATGAGAAGATGAGATGCTGAGATGT 106

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OM nucleic - nucleic search, using sw model
GenCore version 5.1.6

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processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Published Applications NA: *
1: /cgn2_6/podata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/podata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/podata/1/pubpna/US10_PUBCOMB.seq:*
4: /cgn2_6/podata/1/pubpna/US16_PUBCOMB.seq:*
5: /cgn2_6/podata/1/pubpna/US07_PUB.seq:*
6: /cgn2_5/podata/1/pubpna/PCITS_PUBCOMB.seq:*
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8: /cgn2_6/podata/1/pubpna/US18_PUBCOMB.seq:*
9: /cgn2_6/podata/1/pubpna/US09A_PUBCOMB.seq:*
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11: /cgn2_6/podata/1/pubpna/US09C_PUBCOMB.seq:*
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15: /cgn2_6/podata/1/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/podata/1/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/podata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/podata/1/pubpna/US60_PUBCOMB.seq:*
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RESULT 1
US-02-985-911-3
Sequence 3, Application US/09885911
Patent No. US20030151012A1

GENERAL INFORMATION:
 ; APPLICANT: NI ET AL.
 ; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
 ; FILE REFERENCE: FP25/FD3
 CURRENT FILING NUMBER: US/09/9885, 911
 PRIOR APPLICATION NUMBER: 09/583, 169
 PRIOR FILING DATE: 2000-03-30
 PRIOR APPLICATION NUMBER: 09/263, 810
 PRIOR FILING DATE: 1999-03-08
 PRIOR APPLICATION NUMBER: 08/821, 451
 PRIOR FILING DATE: 1997-03-21
 PRIOR APPLICATION NUMBER: 60/014, 724
 PRIOR FILING DATE: 1996-03-21
 NUMBER OF SEQ ID NOS: 27

ALIGNMENTS

US-10-010-742-85 Sequence 85, Appl
 US-09-956-999-4 Sequence 4, Appl
 US-09-934-054-2 Sequence 2, Appl
 US-09-985-911-1 Sequence 1, Appl
 US-09-905-673-7 Sequence 7, Appl
 US-09-905-673-11 Sequence 11, Appl
 US-09-905-673-12 Sequence 12, Appl
 US-09-905-673-13 Sequence 13, Appl
 US-09-905-673-16 Sequence 15, Appl
 US-0-0-096-319-7 Sequence 17, Appl
 US-10-096-319-11 Sequence 11, Appl
 US-10-096-319-12 Sequence 12, Appl
 US-0-0-096-319-13 Sequence 13, Appl
 US-10-096-319-16 Sequence 16, Appl
 US-03-905-673-8 Sequence 8, Appl
 US-03-905-673-14 Sequence 14, Appl
 US-03-905-673-15 Sequence 15, Appl
 US-03-905-673-17 Sequence 17, Appl
 US-10-096-319-8 Sequence 8, Appl
 US-10-096-319-14 Sequence 14, Appl
 US-10-096-319-15 Sequence 15, Appl
 US-10-096-319-17 Sequence 17, Appl
 US-10-125-968-535 Sequence 53, App
 US-09-989-722-259 Sequence 259, App
 US-09-989-723-259 Sequence 259, App
 US-09-989-279-259 Sequence 259, App
 US-09-989-727-259 Sequence 259, App
 US-09-989-731-259 Sequence 259, App
 US-09-991-073-259 Sequence 259, App

Matches 436; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 60
Db 1 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 60

Qy 61 CTGCTGTGAGCTGAGCTAACGAAACAGCCACCATGAGCTGTCGCGGTGTC 60
Db 61 CTGCTGTGAGCTGAGCTAACGAAACAGCCACCATGAGCTGTCGCGGTGTC 60

Qy 121 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 120
Db 121 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 120

Qy 181 AAATTGATGACGCCCTCGGAACTGTCGAGCCTACATGGTCAAGTGGAGATGAGGAT 240
Db 181 AAATTGATGACGCCCTCGGAACTGTCGAGCCTACATGGTCAAGTGGAGATGAGGAT 240

Qy 241 CAGATGTCCTCAGAACAGGACCTGTCGAGCCTACATGGTCAAGTGGAGATGAGGAA 300
Db 241 CAGATGTCCTCAGAACAGGACCTGTCGAGCCTACATGGTCAAGTGGAGATGAGGAA 300

Qy 301 TTGAGTGTGACATGAAACTTCATCTGGTTCAGTGTCTTGTTAATACATCTGTC 360
Db 301 TTGAGTGTGACATGAAACTTCATCTGGTTCAGTGTCTTGTTAATACATCTGTC 360

Qy 361 GATCTTCACTGAGTAAGTTCAAGTCTGTTCACTGCTTCAGTAAAGATGACCT 420
Db 361 GATCTTCACTGAGTAAGTTCAAGTCTGTTCACTGCTTCAGTAAAGATGACCT 420

Qy 421 AAAAAAAA 436
Db 421 AAAAAAAA 436

RESULT 2
US-10-198-846-8720
Sequence 8720, Application US/10198846
Publication No. US20030099974A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Xu, Yongyao
APPLICANT: Wang, Youzhen
APPLICANT: Steinmann, Kathleen
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
THERAPY OF BREAST CANCER
FILE REFERENCE: MR-049
CURRENT APPLICATION NUMBER: US/10/198 846
CURRENT FILING DATE: 2002-07-18
PRIORITY FILING DATE: 2001-07-18
NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 8720
LENGTH: 625

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 640, 641, 642, 643
OTHER INFORMATION: n = A,T,C or G

US-10-198-846-12752
Query Match 98.5%; Score 429.6; DB 14; Length 643;
Best Local Similarity 99.1%; Pred. No. 3_2e-129;
Matches 432; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 60
Db 84 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 60

Qy 1 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 143
Db 61 CTGCTGTGAGCTGAGCTAACGAAACAGCCACCATGAGCTGTCGCGGTGTC 120

Qy 144 CTGCTGTGAGCTGAGCTAACGAAACAGCCACCATGAGCTGTCGCGGTGTC 203
Db 121 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 180
Qy 204 TTGTTGTGAAGTGAACAGTCACAGCAAAACAGCCACCATGAGCTGTCGCGGTGTC 263

Qy 61 CTGCTGTGAGCTGAGCTAACGAAACAGCCACCATGAGCTGTCGCGGTGTC 120

Qy 181 AAATTGATGCCCTCGGAAGCTGTTGACCAAGTAGGAGAGATGACGGAT 240
 Db 264 AAATTGATGCCCTCGGAAGCTGTTGACCAAGTAGGAGAGATGACGGAT 323
 Qy 241 CAGATGTCCTTCAGAACGAGCTCATGGAAATCTGGTAATATGGAAA 300
 Db 324 CAGATGTCCTTCAGAACGAGCTCATGGAAATCTGGTAATATGGAAA 383
 Qy 301 TGTAGTGTGACATGTTAAACTTCCTTGTTCACTGCTTCATGACCC 360
 Db 384 TGTAGTGTGACATGTTAAACTTCCTTGTTCACTGCTTCATGACCC 443
 Qy 361 GATCTCCTGCAAGATAAAGTTCAAGCTGCTTCAGTCACTGCTCC 420
 Db 444 GATCTCCTGCAAGATAAAGTTCAAGCTGCTTCAGTCACTGCTCC 503
 Qy 421 AAAAAAAAGAAAAA 436
 Db 504 ACCTCAAAAGAAA 519

RESULT 4
 US-09-975-502A-2
 ; Sequence 2, Application US/03975-502A
 ; Publication No. US20030044859A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abbott Laboratories
 ; APPLICANT: Henslee, Jerry G.
 ; APPLICANT: Friedman, Paula N.
 ; TITLE OF INVENTION: REACTANTS AND METHODS USEFUL FOR
 ; FILE REFERENCE: 5722.US.7
 ; CURRENT APPLICATION NUMBER: US/09/975, 502A
 ; CURRENT FILING DATE: 2002-06-10
 ; PRIOR APPLICATION NUMBER: US 09/1467, 602
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: US 09/215, 818
 ; PRIOR FILING DATE: 1998-12-18
 ; PRIOR APPLICATION NUMBER: US 08/912, 276
 ; PRIOR FILING DATE: 1997-08-15
 ; PRIOR APPLICATION NUMBER: US 08/697, 105
 ; PRIOR FILING DATE: 1995-08-19
 ; PRIOR APPLICATION NUMBER: US 08/912, 149
 ; PRIOR FILING DATE: 1997-08-15
 ; PRIOR APPLICATION NUMBER: US 08/697, 106
 ; NUMBER OF SEQ ID NOS: 8
 ; SEQ ID NO: 2
 ; LENGTH: 482
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-975-502A-2

Query Match 96.6%; Score 421; DB 10; length 482;
 Best Local Similarity 100.0%; Pred. No. 1.8e-124; Mismatches 0; Indels 0; Gaps 0;
 Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGTTGCGAACCTGAGCTCACGAAACAGCCACATGAAAGCTGCGTCGTC 60
 Db 58 TTGTTGCGAACCTGAGCTCACGAAACAGCCACATGAAAGCTGCGTCGTC 117
 Qy 61 CTGCTGGCACGGCTCTGTTACAGGCCATGGGAGTCTGGCTT 120
 Db 118 CTGCTGGCACGGCTCTGTTACAGGCCATGGGAGTCTGGCTT 177
 Qy 121 GTTCTGAGCTGAGTCTCTTCAATTAGTGAACCTGTTGAGAAGCTG 180
 Db 178 GTTCTGAGCTGAGTCTCTTCAATTAGTGAACCTGTTGAGAAGCTG 237
 Qy 181 AAATTGATGCCCTCGGAAGCTGTTGACCAAGTAGGAGAGATGACGGAT 240
 Db 238 AAATTGATGCCCTCGGAAGCTGTTGACCAAGTAGGAGAGATGACGGAT 297

RESULT 5
 US-10-131-410-58
 ; Sequence 58, Application US/10131410
 ; Publication No. US20030235915A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SPECHT, THOMAS
 ; APPLICANT: HINZMANN, BERND
 ; APPLICANT: SCHMITT, ARMIN
 ; APPLICANT: PILARSKY, CHRISTIAN
 ; APPLICANT: DATH, EDGAR
 ; APPLICANT: ROSENTHAL, ANDRE
 ; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
 ; FILE REFERENCE: SCH-1763
 ; CURRENT APPLICATION NUMBER: US/10/131, 410
 ; CURRENT FILING DATE: 2002-04-25
 ; PRIOR APPLICATION NUMBER: 09/1646, 673
 ; PRIOR FILING DATE: 2000-09-20
 ; PRIOR APPLICATION NUMBER: PCT/DE99/00908
 ; PRIOR FILING DATE: 1999-03-19
 ; NUMBER OF SEQ ID NOS: 202
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 58
 ; LENGTH: 494
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-131-410-58

Query Match 96.6%; Score 421; DB 15; length 494;
 Best Local Similarity 100.0%; Pred. No. 1.8e-124; Mismatches 0; Indels 0; Gaps 0;
 Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGTTGCGAACCTGAGCTCACGAAACAGCCACATGAAAGCTGCGTCGTC 60
 Db 70 TTGTTGCGAACCTGAGCTCACGAAACAGCCACATGAAAGCTGCGTCGTC 129
 Qy 61 CTGCTGGCACGGCTCTGTTACAGGCCATGGGAGTCTGGCTT 120
 Db 130 CTGCTGGCACGGCTCTGTTACAGGCCATGGGAGTCTGGCTT 189
 Qy 121 GTTCTGAGCTGAGTCTCTTCAATTAGTGAACCTGTTGAGAAGCTG 180
 Db 190 GTTCTGAGCTGAGTCTCTTCAATTAGTGAACCTGTTGAGAAGCTG 249
 Qy 181 AAATTGATGCCCTCGGAAGCTGTTGACCAAGTAGGAGAGATGACGGAT 240
 Db 250 AAATTGATGCCCTCGGAAGCTGTTGAGAAGCTGAGTCTGAGGAT 309
 Qy 241 CAGATGTCCTTCAGAACGAGCTCATGGAAATCTGGTAATATGGAAA 300
 Db 310 CAGATGTCCTTCAGAACGAGCTCATGGAAATCTGGTAATATGGAAA 369
 Qy 301 TGTAGTGTGACATGTTAAACTTCCTTGCTTCAGTCACTGCTTCAGTCACTG 360
 Db 370 TGTAGTGTGACATGTTAAACTTCCTTGCTTCAGTCACTGCTTCAGTCACTG 429

RESULT 5
US-10-058-270A-83
Sequence 83, Application US/10058270A
Publication No. US20040029114A1
GENERAL INFORMATION:
APPLICANT: Mack, David H.
APPLICANT: Gish, Kurt C.
APPLICANT: Afar, Daniel
APPLICANT: Bob Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer, Compositions and
FILE REFERENCE: 118501-005210US
CURRENT APPLICATION NUMBER: US/10/058,270A
CURRENT FILING DATE: 2002-01-24
PRIORITY APPLICATION NUMBER: US 60/263,965
PRIORITY FILING DATE: 2001-01-24
PRIORITY APPLICATION NUMBER: US 60/265,928
PRIORITY APPLICATION NUMBER: US 09/829,472
PRIORITY FILING DATE: 2001-04-09
PRIORITY APPLICATION NUMBER: US 60/282,698
PRIORITY FILING DATE: 2001-04-09
PRIORITY APPLICATION NUMBER: US 60/288,590
PRIORITY FILING DATE: 2001-05-04
PRIORITY APPLICATION NUMBER: US 60/294,443
PRIORITY FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 141
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 83
LENGTH: 444
TYPE: DNA
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ORGANISM: Homo sapiens
US-10-058-270A-83

Query March 96.0%; Score 418.4; DB 12; Length 444;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 361 GATCTTCACTGAGAATGTAAGGTTCAAGGCTGTCTTAAATCATCTGCTCC 420
Db 430 GATCTTCACTGAGAATGTAAGGTTCAAGGCTGTCTTAAATCATCTGCTCC 439

RESULT 7
US-10-097-340-180
Sequence 180, Application US/10097340
Publication No. US20030087250A1
GENERAL INFORMATION:
APPLICANT: John MONAHAN
APPLICANT: Manjula GANNAVARAPU
APPLICANT: Sebastian HOERSCH
APPLICANT: Shubhangi KOMATOR
APPLICANT: Steve G. KOVATS
APPLICANT: Michael MORRISEY
APPLICANT: Peter OLANDT
APPLICANT: Ani SEN
APPLICANT: Peter VEIBY
APPLICANT: Gordon B. MILLS
APPLICANT: Robert C. BAST, JR.
APPLICANT: Karen LU
APPLICANT: Rosemarie SCHMANDT
APPLICANT: Xumei ZHAO
APPLICANT: Karen GLATT
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
FILE REFERENCE: 1181-030
CURRENT APPLICATION NUMBER: US/10/097,340
CURRENT FILING DATE: 2002-03-14
PRIORITY APPLICATION NUMBER: 60/276,025
PRIORITY FILING DATE: 2001-03-14
PRIORITY APPLICATION NUMBER: 60/325,149
PRIORITY FILING DATE: 2001-09-26
PRIORITY APPLICATION NUMBER: 60/326,026
PRIORITY FILING DATE: 2001-03-14
PRIORITY APPLICATION NUMBER: 60/324,967
PRIORITY FILING DATE: 2001-09-26
PRIORITY APPLICATION NUMBER: 60/311,732
PRIORITY FILING DATE: 2001-08-10
PRIORITY APPLICATION NUMBER: 60/325,102
PRIORITY FILING DATE: 2001-09-26
PRIORITY APPLICATION NUMBER: 60/323,580
PRIORITY FILING DATE: 2001-09-19
PRIORITY APPLICATION NUMBER: 60/323,580
PRIORITY FILING DATE: 2001-09-19
NUMBER OF SEQ ID NOS: 363
SEQ ID NO 180
LENGTH: 444
TYPE: DNA
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ORGANISM: Homo sapiens
US-10-097-340-180

Query Match 96.0%; Score 418.4; DB 14; Length 444;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTTTTGGAAACTGAGCTACAGCAAACAGGCCAATGAAAGTGCGGTTGTC 60
Db 25 TTGTTGGAAACTGAGCTACAGCAAACAGGCCAATGAAAGTGCGGTTGTC 84

QY 61 CTGCTGGCACGGCTCTGTGACCGGCTCTGTGACCGGCTCTGTGACCGTCT 120
Db 85 CTGCTGGCACGGCTCTGTGACCGGCTCTGTGACCGGCTCTGTGACCGTCT 144

QY 121 GTTCTGAGCTGTAGACTCTCTCCTATGAGCTCTCTCTCTCTCTCTCTCT 180
Db 145 GTTCTGAGCTGTAGACTCTCTCCTATGAGCTCTCTCTCTCTCTCTCTCT 204

QY 181 AAATTGATGCCCTCCGAGGCTCATTCGGGAAGCTCTCTCTCTCTCTCTCT 120
Db 205 AAATTGATGCCCTCCGAGGCTCATTCGGGAAGCTCTCTCTCTCTCTCTCT 144

QY 241 CAGATGTCCTTCAAAAGGAGCTCATTCGGGAAGCTCTCTCTCTCTCTCTCT 300
Db 265 CAGATGTCCTTCAAAAGGAGCTCATTCGGGAAGCTCTCTCTCTCTCTCTCT 324

QY 301 TGTGTTGGAACTGAAACTTCTCTGTTCACTCTCTCTCTCTCTCTCTCTCT 360
Db 325 TGTGTTGGAACTGAAACTTCTCTGTTCACTCTCTCTCTCTCTCTCTCTCT 384

QY 361 GATCTTCACTGAGAATGTAAGGTTCAAGGCTGTCTTAAATCATCTGCTCC 420

Db 385 GATCTTCACTGAGAATGTAAGGTTCAAGGCTGTCTTAAATCATCTGCTCC 444

RESULT 8
US-107-293-271
; Sequence 271, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Glatt, Karen
APPLICANT: Gannavarapu, Manjula
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Mertens, Maureen
APPLICANT: Myer, Vic
APPLICANT: Wang, Youzhen
APPLICANT: Xu, Yongao
APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyer, Rachel E.
APPLICANT: Batt Jr., Robert C.
APPLICANT: Hortobagyi, Gabriel N.
APPLICANT: Puszta, Lajos
APPLICANT: Meric, Funda
APPLICANT: Saini, Aysegul
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, TREATMENT, PREVENTION, AND THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: US 60/301,572
PRIOR FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: US 60/306,501
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/xxxx,xxx
NUMBER OF SEQ ID NOS: 505
SOFTWARE: FastSBQ for Windows Version 4.0
SEQ ID NO: 271
LENGTH: 444
TYPE: DNA
ORGANISM: Homo sapiens
US-09-825-301-76
Query Match Score 96.0%; Best Local Similarity 99.8%; Pred. No. 1.2e-123; length 463;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 TTGTTGTAAGCTGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 60
DB 44 TTGTTGTAAGCTGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 103
QY 61 CTGCTGGTACGGCTGCCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 120
DB 104 CTGCTGGTACGGCTGCCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 163
QY 121 GTTCTGGCTGAGCTCTCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 180
DB 164 GTTCTGGCTGAGCTCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 223
QY 181 AAATTGATGCCCTGGAGCTGTTGAGCTGAGATGAGAGATGCCAGCT 240
DB 224 AAATTGATGCCCTGGAGCTGTTGAGCTGAGATGAGAGATGCCAGCT 283
QY 1 TTGTTGTAAGCTGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 60
DB 241 CAGATGCCCTGGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 300
QY 284 CAGATGCCCTGGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 343
DB 325 TTGTTGTAAGCTGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 84
QY 61 CTGCTGGTACGGCTGCCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 120
DB 85 CTGCTGGTACGGCTGCCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 144
QY 121 GTTCTGGCTGAGCTCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 180
Db 265 CAGATGCCCTGGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 324
QY 301 TTGTTGTAAGCTGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 360
Db 325 TTGTTGTAAGCTGAGCTCACGCAAAACAGCCACATGAGCTTGCGGTGTC 384
QY 361 GATCTTCACTGAGAATGTTAACGGCTTAAATAATCACCTGCRCTC 420
Db 385 GATCTTCACTGAGAATGTTAACGGCTTAAATAATCACCTGCRCTC 444
Db 145 GTTCTGGCTGAGCTCTCTGGTGTACCCAGGCAATGCCAGTTGCCAGCT 204
QY 181 AAATTGATGCCCTGGAGCTGTTGAGCTGAGATGCCAGCT 240
Db 205 AAATTGATGCCCTGGAGCTGTTGAGCTGAGATGCCAGCT 264
QY 241 CAGATGCCCTGGAGCTGAGCTGAGATGCCAGTTGCCAGCT 300
Db 265 CAGATGCCCTGGAGCTGAGATGCCAGTTGCCAGCT 324
QY 301 TTGTTGTAAGCTGAGCTCACGCTTGCGGTGTCAGCTGCTTCAGCT 360
Db 325 TTGTTGTAAGCTGAGCTCACGCTTGCGGTGTCAGCTGCTTCAGCT 384
QY 361 GATCTTCACTGAGAATGTTAACGGCTTAAATAATCACCTGCRCTC 420
Db 385 GATCTTCACTGAGAATGTTAACGGCTTAAATAATCACCTGCRCTC 444

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Do 404 GATCTCACTGCGAAGTAAAGTTCAACGCTCTGTTATAATCACTTGCTCTAC 463
; Software: FastaSEQ for Windows Version 3.0
; SEQ ID NO: 10
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-905-673-10
; Query Match: 96.0%; Score: 418.4; DB: 10; Length: 463;
; Best Local Similarity: 99.8%; Pred. No.: 1.2e-123;
; Matches: 419; Conservative: 0; Mismatches: 1; Indels: 0; Gaps: 0;
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengqian
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 28
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Lipophilin B
; FEATURE: NAME/KEY: CDS
; LOCATION: (83)..(352)
; US-09-110-716-28

Query Match: 96.0%; Score: 418.4; DB: 9; Length: 463;
Best Local Similarity: 99.8%; Pred. No.: 1.2e-123;
Matches: 419; Conservative: 0; Mismatches: 1; Indels: 0; Gaps: 0;
; APPLICANT: Pernig, David H.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Darrick
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastaSEQ for Windows Version 3.0
; SEQ ID NO: 10
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-096-319-10
; Sequence 10, Application US/096,319
; Publication No. US20030170246A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Darrick
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastaSEQ for Windows Version 3.0
; SEQ ID NO: 10
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-096-319-10
; Query Match: 96.0%; Score: 418.4; DB: 14; Length: 463;
; Best Local Similarity: 99.8%; Pred. No.: 1.2e-123;
; Matches: 419; Conservative: 0; Mismatches: 1; Indels: 0; Gaps: 0;
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121.498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
; APPLICANT: Dillon, Davin C.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
;
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RESULT 13
 US-10-033-527-76
 ; Sequence 76, Application US/10033527
 ; Publication No. US2003170631A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Dillon, Devin C.
 ; APPLICANT: Molesh, David A.
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Zehentner, Barbara
 ; APPLICANT: Persing, David H.
 ; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
 ; FILE REFERENCE: 210121_513C1
 ; CURRENT APPLICATION NUMBER: US/10/033,527
 ; CURRENT FILING DATE: 2001-10-27
 ; NUMBER OF SBO ID NOS: 77
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO: 76
 ; LENGTH: 463
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-033-527-76

Query Match 96.0%; Score 418.4; DB 14; Length 463;
 Best Local Similarity 99.8%; Pred. No. 1.2e-123; Mismatches 0; Gaps 0;
 Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTGTTGAAAGCTGAGCTTACAGCAACAGGCCATGAAGCTGGTGGTGGTTC 60
 Db 44 TTGTGTTGAAAGCTGAGCTTACAGCAACAGGCCATGAAGCTGGTGGTGGTTC 103
 QY 61 CTGCTGGTCAACGCTGGCCCTCTGCTGCTACCGGCCATGCAGCAACAGGCCAT 120
 Db 104 CTGCTGGTCAACGCTGGCCCTCTGCTGCTACCGGCCATGCAGCAACAGGCCAT 163
 QY 121 GTTCTGGCTGTAGACTCTCTCATAGTGAACCTCTGTCAGTAGTGTGTC 180
 Db 164 GTTCTGGCTGTAGACTCTCTCATAGTGAACCTCTGTCAGTAGTGTGTC 223
 QY 181 AAATTGATGCGCCCTCGGAACTGAGCTGGCAAGTGTGAGGAGATGACGGAT 240
 Db 224 AAATTGATGCGCCCTCGGAACTGAGCTGGCAAGTGTGAGGAGATGACGGAT 283
 QY 241 CAGATGCGCTCAGAACGACCTGATGGAGTGTGAGGAGATGACGGAT 300
 Db 284 CAGATGCGCTCAGAACGACCTGATGGAGTGTGAGGAGATGACGGAT 343
 QY 301 TGTAGTGTTGAAACTTCTCGTGTGAAATTGAGAAA 360
 Db 361 GATCTCTGCGAAGTGTGAAAGGTGTAACCTCTGTTAATAATCTGTC 420
 Db 404 GATCTCTGCGAAGTGTGAAAGGTGTAACCTCTGTTAATAATCTGTC 463

RESULT 14
 US-09-778-320-85/c
 ; Sequence 85, Application US/09778320
 ; Patent No. US2001034052A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Jiang, Yuqiu
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Mitcham, Jennifer
 ; APPLICANT: Wang, TongTong
 ; APPLICANT: McNeill, Patricia D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
 ; FILE REFERENCE: 210121_491C5
 ; CURRENT APPLICATION NUMBER: US/09/778,320
 ; NUMBER OF SEQ ID NOS: 301
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 85
 ; LENGTH: 500
 ; OTHER INFORMATION: n = A, T, C or G
 ; US-09-778-320-85

Query Match 94.4%; Score 411.6; DB 9; Length 500;
 Best Local Similarity 98.6%; Pred. No. 1.9e-121; Mismatches 6; Indels 0; Gaps 0;
 Matches 414; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 TTGTGTTGAAAGCTGAGCTTACAGCAACAGGCCATGAAGCTGGTGGTGGTTC 60
 Db 420 TTGTGTTGAAAGCTGAGCTTACAGCAACAGGCCATGAAGCTGGTGGTGGTTC 103
 QY 61 CTGCTGGCACGGCCCTCTGTCACCGGCCATGCAGCAACAGGCCATGAAGCTGGTGGTGGTTC 120
 Db 360 CTGCTGGCACGGCCCTCTGTCACCGGCCATGCAGCAACAGGCCATGAAGCTGGTGGTGGTTC 163
 QY 121 GTTCTGGCTGTAGACTCTCTCATAGTGAACCTCTGTCAGTAGTGTGTC 180
 Db 300 GTTCTGGCTGTAGACTCTCTCATAGTGAACCTCTGTCAGTAGTGTGTC 223
 QY 181 AAATTGATGCGCCCTCGGAACTGAGCTGGCAAGTGTGAGGAGATGACGGAT 240
 Db 240 AAATTGATGCGCCCTCGGAACTGAGCTGGCAAGTGTGAGGAGATGACGGAT 283
 QY 241 CAGATGCGCTCAGAACGACCTGATGGAGTGTGAGGAGATGACGGAT 300
 Db 361 GATCTCTGCGAAGTGTGAAAGGTGTAACCTCTGTTAATAATCTGTC 420
 Db 60 GATCTCTGCGAAGTGTGAAAGGTGTAACCTCTGTTAATAATCTGTC 463

RESULT 15
 US-09-910-689-85/c
 ; Sequence 85, Application US/09910689

; Patent No. US20020081609A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dillon, Devin C.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Jiang, Yueru
 ; APPLICANT: Mitcham, Raymond L.
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Harlocker, Susan L.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TREATMENT OF BREAST CANCER
 ; FILE REFERENCE: 210121_491C6
 ; CURRENT APPLICATION NUMBER: US09/910,689
 ; CURRENT FILING DATE: 2001-07-20
 ; NUMBER OF SEQ ID NOS: 307
 ; SOFTWARE: Rnaseq for Windows Version 4.0
 ; SEQ ID NO: 85
 ; LENGTH: 500
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: 9..47..494
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-09-910-689-85

Query Match 94.4%; Score 411.6; DB 9; Length 500;
 Best Local Similarity 98.6%; P-Value 1.9e-121;
 Matches 414; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	DB	Sequence	Score	Length
QY	420	TGTTTGCTGAGCTGAGCTACAGCAAACGACCATGAACTGTGGTGTCTC	60	
Db	360	CTGCTGCTCAAGCTGAGCTGAGCTACAGCAAACGACCATGAACTGTGGTGTCTC	361	
QY	61	CAGCTGCTGAGCTGAGCTACAGCAAACGACCATGAACTGTGGTGTCTC	120	
Db	360	CTGCTGCTCAAGCTGAGCTGAGCTACAGCAAACGACCATGAACTGTGGTGTCTC	361	
QY	121	GTTCTGCTGAGCTGAGCTACAGCAAACGACCATGAACTGTGGTGTCTC	180	
Db	300	CTTCTGAGCTGAGCTACAGCAAACGACCATGAACTGTGGTGTCTC	241	
QY	181	AATTCTGATGCCCTCGGAGCTGTGCAACATTAGAGTAGAGATGCGAGGAT	240	
Db	240	AATTCTGATGCCCTCGGAGCTGTGCAACATTAGAGTAGAGATGCGAGGAT	181	
QY	241	CAGATGCCCTTCAGAACGAGCTCATCGGAAGTCCCTGGTGTCTGTAATTGAGAA	300	
Db	180	CAGATGCCCTTCAGAACGAGCTCATCGGAAGTCCCTGGTGTCTGTAATTGAGAA	121	
QY	301	TGAGCTGCTGAGCTGAAACTTCATCTGGTTCAGTGTCTTCATGACCT	360	
Db	120	TGAGCTGCTGAGCTGAAACTTCATCTGGTTCAGTGTCTTCATGACCT	61	
QY	361	GATCTCACTGAGATAAGTTCAACGCTCTGTTAAATCATTGCTCC	420	
Db	60	GATCTCACTGAGATAAGTTCAACGCTCTGTTAAATCATTGCTCC	1	

Search completed: March 14, 2004, 15:32:21
 Job time : 309 secs

US-09-110-716-29
; Sequence 29, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 29
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Lipophilin B
; US-09-110-716-29

RESULT 3
Query Match 100.0%; Score 450; DB 9; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47; Gaps 0;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKLSVCLLVLTLALCCYQANAEFCPALVSLLDFFPISPLFKSLAKFDAPPEAVAKL 60
Db 1 MKLSVCLLVLTLALCCYQANAEFCPALVSLLDFFPISPLFKSLAKFDAPPEAVAKL 60
QY 61 GVRKCTDDOMSIQKRSILAEVLUVKILKKCSV 90
Db 61 GVRKCTDDOMSIQKRSILAEVLUVKILKKCSV 90
; US-09-934-054-1
; Sequence 1, Application US/09934054
; Patent No. US2002107385A1
; GENERAL INFORMATION:
; APPLICANT: Akerblom, Ingrid E.
; Hillman, Jennifer L.
; Murry, Lynn E.
; Golli, Surya K.
; Hawkins, Phillip R.
; TITLE OF INVENTION: BREAST TUMOR SPECIFIC PROTEINS
; NUMBER OF SEQIDENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSE: Fish & Richardson P.C.
; STREET: 2200 Sand Hill Road, Suite 100
; STATE: CA
; CITY: Menlo Park
; COUNTRY: USA
; ZIP: 94025-6936
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOCS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/934,054
; FILING DATE: 21-Aug-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,547
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J., 749
; REGISTRATION NUMBER: 36,749
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1
; SEQUENCE CHARACTERISTICS:
; LENGTH: 90 amino acids
; TYPE: amino acid

RESULT 4
US-09-985-911-4
; Sequence 4, Application US/09985911
; Patent No. US2002015102A1
; GENERAL INFORMATION:
; APPLICANT: NI ET AL.
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
; FILE REFERENCE: P2257D3
; CURRENT APPLICATION NUMBER: US/09/985,911
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 09/583,169
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/263,810
; PRIOR FILING DATE: 1997-03-08
; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 4
; LENGTH: 90
; TYPE: PRT
; ORGANISM: human
; US-09-985-911-4

RESULT 5
US-09-975-502A-6
; Sequence 6, Application US/09975502A
; Publication No. US20030044859A1
; GENERAL INFORMATION:
; APPLICANT: Abbot Laboratories
; APPLICANT: Hensle, Jerry G.
; APPLICANT: Friedman, Paula N.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 5372.US.P7
; CURRENT APPLICATION NUMBER: US/09/975,502A
; CURRENT FILING DATE: 2000-05-10
; PRIOR APPLICATION NUMBER: US 09/467,602
; PRIOR FILING DATE: 1999-12-20

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; FILE REFERENCE: 210121-498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 35
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-905-673-35

Query Match 100.0%; Score 450; DB 10; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47; Indels 0; Gaps 0;
Matches 90; Conservative 0; Mismatches 0;

QY 1 MKUSVCLLVLTLACCYQANASPCPAVSELUDFFFISERPLFKLSAKFDAPPEAVAKL 60
Db 1 MKUSVCLLVLTLACCYQANASPCPAVSELUDFFFISERPLFKLSAKFDAPPEAVAKL 60

RESULT 6
US-09-905-673-2
; Sequence 2, Application US/09/905,673
; Publication No. US0030059432A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121-498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 90
; ORGANISM: Homo sapien

Query Match 100.0%; Score 450; DB 10; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47; Indels 0; Gaps 0;
Matches 90; Conservative 0; Mismatches 0;

QY 1 MKUSVCLLVLTLACCYQANASPCPAVSELUDFFFISERPLFKLSAKFDAPPEAVAKL 60
Db 1 MKUSVCLLVLTLACCYQANASPCPAVSELUDFFFISERPLFKLSAKFDAPPEAVAKL 60

RESULT 8
US-10-097-340-181
; Sequence 181, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONIHAN
; APPLICANT: Manjula GANNAVAPU
; APPLICANT: Sebastian HOBRSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISSEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, JR.
; APPLICANT: Karen LU
; APPLICANT: Rosmarie SCHMANDT
; APPLICANT: Karen ZHAO
; APPLICANT: Xumei ZHAO
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy Of Ovarian Cancer
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-07-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 181
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-097-340-181

Query Match 100.0%; Score 450; DB 14; Length 90;

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Best Local Similarity 100.0%; Pred. No. 3.9e-47; Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Software: FastSEQ for Windows Version 4.0

RESULT 9
US-10-177-293-272
; Sequence 2, Application US/10177293
; Publication No. US2003012412841
GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita L.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Carter, Darrick H.
; TITLE OF INVENTION: LIPOHILIN COMPLEXES FOR USE IN CANCER
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121.45BC2
; CURRENT APPLICATION NUMBER: US/10/096,319
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-096-319-2
Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Software: FastSEQ for Windows Version 3.0

RESULT 10
US-10-096-319-2
; Sequence 2, Application US/10096319
; Publication No. US20030170246A1
GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita L.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Carter, Darrick H.
; TITLE OF INVENTION: LIPOHILIN COMPLEXES FOR USE IN CANCER
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121.45BC2
; CURRENT APPLICATION NUMBER: US/10/096,319
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-096-319-2
Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Software: FastSEQ for Windows Version 3.0

RESULT 11
US-10-096-319-35
; Sequence 35, Application US/10096319
; Publication No. US20030170246A1
GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita L.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Carter, Darrick H.
; APPLICANT: Persing, David H.
TITLE OF INVENTION: LIPOHILIN COMPLEXES FOR USE IN CANCER
TITLE OF INVENTION: DIAGNOSIS AND THERAPY
FILE REFERENCE: 210121.45BC2
CURRENT APPLICATION NUMBER: US/10/096,319
CURRENT FILING DATE: 2002-03-12
NUMBER OF SEQ ID NOS: 78
Software: FastSEQ for Windows Version 3.0
SEQ ID NO 35
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-10-096-319-35
Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 12
US-10-033-527-77
; Sequence 77, Application US/10033527
; Publication No. US2003017063A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Moleski, David A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
; FILE REFERENCE: 210121.513C1
; CURRENT APPLICATION NUMBER: US/10/033,527
; CURRENT FILING DATE: 2001-10-27
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 77
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-033-527-77

Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3_9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60
Db 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60

QY 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90
Db 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90

RESULT 13
US-10-131-410-137
; Sequence 137, Application US/10131410
; Publication No. US20030225915A1
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PIARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
; FILE REFERENCE: SCH-1763
; CURRENT APPLICATION NUMBER: US/10/131,410
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 09/646,673
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: PCT/D/DE9/00908
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 202
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 137
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-131-410-137

Query Match 100.0%; Score 450; DB 15; Length 120;
Best Local Similarity 100.0%; Pred. No. 5_4e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60
Db 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60

QY 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90
Db 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90

RESULT 14
US-09-905-673-61
; Sequence 61, Application US/09905673
; Publication No. US20030059432A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, David C.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 61
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-905-673-61

Query Match 100.0%; Score 450; DB 10; Length 182;
Best Local Similarity 100.0%; Pred. No. 8_9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60

QY 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90
Db 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90

RESULT 15
US-10-096-3-19-61
; Sequence 61, Application US/10096319
; Publication No. US20030170246A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Carter, Darrick
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 61
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-096-3-19-61

Query Match 100.0%; Score 450; DB 14; Length 182;
Best Local Similarity 100.0%; Pred. No. 8_9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60
Db 1 MKLSVCLLVLTLAICCYQANAEFCPALVSLLDPFFISPLFKSLAKFDAPPEAVAKL 60

QY 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90
Db 61 GVKRCTDMSLQRSLIAEVLKILKKCSV 90

Mon Mar 15 09:44:24 2004

us-09-806-301-2.rapb

Db 61 GVKRCTDQMSLQKRSLLAEVLVKKCSV 90

**Search completed: March 11, 2004, 17:50:03
Job time : 35 secs**

OM protein - protein search, using sw model

Run on: March 11, 2004, 17:39:30 ; Search time 22 Seconds
 Sequence: (without alignments)
 211.197 Million cell updates/sec

Scoring table: BiologM62
 Gapop 10.0 , Gapext 0.5

Searched: US-09-806-301-2
 450 1 MRKSVCLLVLVLTALCCYQAN.....LQRSLIAEVLYKILKKCSV 90

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents AA:
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 2: /cgn2_6/pctodata/2/iaa/5B_COMB.pep:
 3: /cgn2_6/pctodata/2/iaa/6A_COMB.pep:
 4: /cgn2_6/pctodata/2/iaa/6B_COMB.pep:
 5: /cgn2_6/pctodata/2/iaa/PICTUS_COMB.pep:
 6: /cgn2_6/pctodata/2/iaa/backfile1.pep:
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	450	100.0	90	US-09-821-451A-4
2	450	100.0	90	US-09-263-810-4
3	450	100.0	90	US-09-912-276-15
4	450	100.0	90	US-09-583-169-4
5	450	100.0	90	US-09-215-818-6
6	450	100.0	90	US-09-467-602A-6
7	342	76.0	69	US-09-912-276-23
8	277	61.6	90	US-09-821-451A-2
9	277	61.6	90	US-09-263-810-2
10	277	61.6	90	US-09-583-169-2
11	244	79.4	4	US-09-677-395A-200
12	219	45.7	45	US-09-912-276-22
13	202	44.9	3	US-09-821-451A-25
14	202	44.9	90	US-09-821-451A-26
15	202	44.9	90	US-09-263-810-25
16	202	44.9	3	US-09-263-810-26
17	202	44.9	90	US-09-583-169-25
18	202	44.9	90	US-09-583-169-26
19	110	24.4	91	US-09-455-896-8
20	110	24.4	91	US-09-935-149-8
21	110	24.4	91	US-09-082-343-8
22	110	24.4	91	US-09-082-253-8
23	110	24.4	91	US-09-987-505-1
24	110	24.4	91	US-09-162-622-8
25	110	24.4	91	US-09-509-015-8
26	110	24.4	91	PCT-US93-08235-8
27	22.4	3	US-08-912-276-21	

ALIGNMENTS

RESULT	1
US-09-821-451A-4	Sequence 4, Appli
US-0821451A	Patent No. 6066724
GENERAL INFORMATION:	
APPLICANT: Jian Ni, Guo-Liang Yu and Reinerne	
TITLE OF INVENTION: Human Endometrial Spec	
TITLE OF INVENTION: Binding Factor I, II and	
NUMBER OF SEQUENCES: 27	
CORRESPONDENCE ADDRESS: 6601 Rockledge Drive, Suite 100, Rockledge, FL 32955	
ADDRESSEE: CECCHI, STUART & OUSTIN	
STREET: 6 BECKER FARM ROAD	
CITY: ROSELAND	
STATE: NEW JERSEY	
COUNTRY: USA	
ZIP: 07068	
COMPUTER READABLE FORM:	
MEDIUM TYPE: 3.5 INCH DISKETTE	
COMPUTER: IBM PS/2	
OPERATING SYSTEM: MS-DOS	
SOFTWARE: WORD PERFECT 5.1	
CURRENT APPLICATION DATA:	
APPLICATION NUMBER: US-09/821,451A	
FILING DATE: March 21, 1997	
CLASSIFICATION: 435	
PRIOR APPLICATION DATA:	
APPLICATION NUMBER: 60/014,724	
FILING DATE: March 21, 1996	
ATTORNEY/AGENT INFORMATION:	
NAME: WILLIAMS, J.G.	
REGISTRATION NUMBER: 33,073	
REFERENCE/DOCNET NUMBER: 325800-521 (FP2)	
TELECOMMUNICATION INFORMATION:	
TELEPHONE: 201-994-1700	
TELEFAX: 201-994-1744	
INFORMATION FOR SEQ ID NO: 4:	
SEQUENCE CHARACTERISTICS:	
LENGTH: 90 AMINO ACIDS	
TYPE: AMINO ACID	
STRANDEDNESS:	
TOPOLOGY: LINEAR	
MOLECULE TYPE: PROTEIN	
US-09-821-451A-4	
Query Match 100.0%; Score 450; D 0; L 90; S 100.0%; P 0; M 0;	
Best Local Similarity 100.0%; Pred. No. 4; 9.999999999999999; D 0; L 90; S 100.0%; P 0; M 0;	
Matches 90; Conservative 0; MisMatches 0; Insertions 0; Deletions 0;	
Qy 1 MKLSVCLLVLVLTALCCYQANAFCPALNSELLDFP	

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sequence 16, Appli
Sequence 14, Appli
Sequence 19, Appli
Sequence 18, Appli
sequence 17, Appli
sequence 5, Appli
Sequence 8, Appli
Sequence 3, Appli
Sequence 6, Appli
Sequence 4, Appli
Sequence 20, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 4, Appli
Sequence 4, Appli

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RESULT 2
US-09-263-810-4 Application US/09263810

PATENT NO. 614992

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-TITLE OF INVENTION: Binding Factor I, II and III

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

STREET: 6 BECKER FARM ROAD

CITY: ROSELAND

STATE: NEW JERSEY

ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,810

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/621,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 335800-521 (PP257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 90 AMINO ACIDS

TYPE: AMINO ACID

LENGTH: 90

STRANDEDNESS:

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

US-09-263-810-4

Query Match 100.0%; Score 450; DB 3; Length 90;
Best Local Similarity 100.0%; Pred. No. 4.9e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLLACCCQANAFCPALVSLEUDPFFISEPLFKSLAKFDAPPAAKL 60

DB 1 MKLSVCLLVTLLACCCQANAFCPALVSLEUDPFFISEPLFKSLAKFDAPPAAKL 60

QY 61 GVKRCTDOMSLQKRSLIAEVNLVKLKCSV 90

DB 61 GVKRCTDOMSLQKRSLIAEVNLVKLKCSV 90

QY 61 GVKRCTDOMSLQKRSLIAEVNLVKLKCSV 90

DB 61 GVKRCTDOMSLQKRSLIAEVNLVKLKCSV 90

RESULT 3
US-08-912-276-15

Sequence 15, Application US/08912276

PATENT NO. 6183952

GENERAL INFORMATION:

APPLICANT: Billing-Medel, Patricia A.

APPLICANT: Cohen, Maurice

APPLICANT: Colpitts, Tracey L.

APPLICANT: Friedman, Paula N.

APPLICANT: Gordon, Julian

APPLICANT: Granados, Edward N.

APPLICANT: Hodson, Steven C.

APPLICANT: Klaas, Michael R.

APPLICANT: Kratochvil, Jon D.

APPLICANT: Roberts-Rapp, Lisa

APPLICANT: Russell, John C.

APPLICANT: Stroupe, Steven D.

TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/912,276

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 5972.US.P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/938-2623

TELEFAX: 847/938-2623

TELEX:

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 90 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: No. 6183952

US-08-912-276-15

Query Match 100.0%; Score 450; DB 3; Length 90;
Best Local Similarity 100.0%; Pred. No. 4.9e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLLACCCQANAFCPALVSLEUDPFFISEPLFKSLAKFDAPPAAKL 60

DB 1 MKLSVCLLVTLLACCCQANAFCPALVSLEUDPFFISEPLFKSLAKFDAPPAAKL 60

QY 61 GVKRCTDOMSLQKRSLIAEVNLVKLKCSV 90

DB 61 GVKRCTDOMSLQKRSLIAEVNLVKLKCSV 90

RESULT 4
US-09-581-169-4

Sequence 4, Application US/09581169

PATENT NO. 6339948

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-TITLE OF INVENTION: Binding Factor I, II and III

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

ADDRESSE: CECCHI, STEWART & OLSTEIN
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/583,169
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/821,451
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: MULLINS, J.G.
 REGISTRATION NUMBER: 33,073
 PRIORITY DOCKET NUMBER: 315800-521 (PP257)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 4:
 LENGTH: 90 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDEDNESS:
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PROTEIN
 ; US-09-583-169-4

RESULT 5
 Query Match 100.0%; Score 450; DB 4; Length 90;
 Best Local Similarity 100.0%; Pred. No. 4.9e-49; Indels 0; Gaps 0;
 Matches 90; Conservative 0; Mismatches 0;
 Sequence 6, Application US/09467602A
 Patent No. 6552154
 GENERAL INFORMATION:
 APPLICANT: Abbott Laboratories
 APPLICANT: Colpitts, Tracey L.
 APPLICANT: Russell, John C.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
 TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
 FILE REFERENCE: 5912.US.P5
 CURRENT APPLICATION NUMBER: US/09/467,602A
 CURRENT FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: US 08/215,818
 PRIOR FILING DATE: 1998-12-18
 PRIOR APPLICATION NUMBER: US 08/912,276
 PRIOR FILING DATE: 1997-08-17
 PRIOR APPLICATION NUMBER: US 08/697,105
 PRIOR FILING DATE: 1996-08-19
 PRIOR APPLICATION NUMBER: US 08/512,149
 PRIOR FILING DATE: 1997-08-15
 PRIOR APPLICATION NUMBER: US 08/597,106
 ; US-09-467-602A-6

Query Match 100.0%; Score 450; DB 4; Length 90;
 Best Local Similarity 100.0%; Pred. No. 4.9e-49; Indels 0; Gaps 0;
 Matches 90; Conservative 0; Mismatches 0;
 Sequence 6, Application US/09215818A
 Patent No. 6379571
 GENERAL INFORMATION:
 APPLICANT: Colpitts, Tracey L.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
 TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
 FILE REFERENCE: 5972.US.P2
 CURRENT APPLICATION NUMBER: US/09/215,818A
 CURRENT FILING DATE: 1998-12-18
 EARLIER APPLICATION NUMBER: 08/912,276
 EARLIER FILING DATE: 1997-08-17
 EARLIER FILING DATE: 1996-08-19
 EARLIER APPLICATION NUMBER: 08/697,105
 EARLIER FILING DATE: 1997-08-15
 EARLIER APPLICATION NUMBER: 08/697,106
 EARLIER FILING DATE: 1996-08-19
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: FASTSEQ for Windows Version 3.0
 SEQ ID NO: 6
 LENGTH: 90
 TYPE: PRT
 ORGANISM: Homo Sapiens
 ; US-09-215-818-6

RESULT 6
 Query Match 100.0%; Score 450; DB 4; Length 90;
 Best Local Similarity 100.0%; Pred. No. 4.9e-49; Indels 0; Gaps 0;
 Matches 90; Conservative 0; Mismatches 0;
 Sequence 6, Application US/09467602A
 Patent No. 6552154
 GENERAL INFORMATION:
 APPLICANT: Abbott Laboratories
 APPLICANT: Colpitts, Tracey L.
 APPLICANT: Russell, John C.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
 TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
 FILE REFERENCE: 5912.US.P5
 CURRENT APPLICATION NUMBER: US/09/467,602A
 CURRENT FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: US 08/215,818
 PRIOR FILING DATE: 1998-12-18
 PRIOR APPLICATION NUMBER: US 08/912,276
 PRIOR FILING DATE: 1997-08-17
 PRIOR APPLICATION NUMBER: US 08/697,105
 PRIOR FILING DATE: 1996-08-19
 PRIOR APPLICATION NUMBER: US 08/512,149
 PRIOR FILING DATE: 1997-08-15
 PRIOR APPLICATION NUMBER: US 08/597,106
 ; US-09-467-602A-6

Query Match 100.0%; Score 450; DB 4; Length 90;
 Best Local Similarity 100.0%; Pred. No. 4.9e-49; Indels 0; Gaps 0;
 Matches 90; Conservative 0; Mismatches 0;
 Sequence 6, Application US/09215818A
 Patent No. 6379571
 GENERAL INFORMATION:
 APPLICANT: Colpitts, Tracey L.
 APPLICANT: Cohen, Maurice
 APPLICANT: Colpitts, Tracey L.
 APPLICANT: Friedman, Paula N.
 APPLICANT: Gordon, Julian
 APPLICANT: Grandatos, Edward N.
 APPLICANT: Hodges, Steven C.
 APPLICANT: Klass, Michael R.
 APPLICANT: Kratochivil, Jon D.
 APPLICANT: Roberts-Rapp, Misa
 ; US-09-215-818-6

Query Match 100.0%; Score 450; DB 4; Length 90;
 Best Local Similarity 100.0%; Pred. No. 4.9e-49; Indels 0; Gaps 0;
 Matches 90; Conservative 0; Mismatches 0;
 Sequence 6, Application US/09467602A
 Patent No. 6552154
 GENERAL INFORMATION:
 APPLICANT: Billing-Medel, Patricia A.
 APPLICANT: Cohen, Maurice
 APPLICANT: Colpitts, Tracey L.
 APPLICANT: Friedman, Paula N.
 APPLICANT: Gordon, Julian
 APPLICANT: Grandatos, Edward N.
 APPLICANT: Hodges, Steven C.
 APPLICANT: Klass, Michael R.
 APPLICANT: Kratochivil, Jon D.
 APPLICANT: Roberts-Rapp, Misa
 ; US-09-215-818-6

QY 1 MKLSVCLLVLTLACCYQANAEFCPALVSELIDFFISEPFLKSLAKFDAPPEVAKL 60
 Db 1 MKLSVCLLVLTLACCYQANAEFCPALVSELIDFFISEPFLKSLAKFDAPPEVAKL 60
 QY 61 GVKRCTDMSLQRSLIAEVLVKILKCSV 90
 Db 61 GVKRCTDMSLQRSLIAEVLVKILKCSV 90

APPLICANT: Russell, John C.
 APPLICANT: Strouse, Steven D.
 TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/912,276
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 ATTORNEY/AGENT INFORMATION:
 NAME: BECKER, CHERYL L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 5972.US.P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 847/935-1729
 TELEX: 847/936-2623
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 69 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: No. 6183952E
 US-08-912-276-23

RESULT 8
 US-08-821-451A-2
 Sequence 2, Application US/08821451A
 Patent No. 6066724
 GENERAL INFORMATION:
 APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
 TITLE OF INVENTION: Human Endometrial Specific Steroid-
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
 ADDRESS: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/263,810
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/821,451
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: MULLINS, J.G.
 REGISTRATION NUMBER: 33,073
 REFERENCE/DOCKET NUMBER: 325800-521 (PP257)
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 90 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDEDNESS:
 TOPOLogy: LINEAR
 MOLECULE TYPE: PROTEIN
 US-09-263-810-2

Query Match 61.6%; Score 277; DB 3; Length 90;
 Best Local Similarity 58.9%; Pred. No. 2.2e-27;
 Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTLAICCYQANAERCPALVSELDFFISEPLFKSLAKFDAPPEAVAKL 60
 Db 1 MRLSVCLLVLTLAICCYQAHALVCPAVASEITVFLSDAAVNQVAKLNPPPEALAKL 60

QY 61 GVERCTDPMSLQRSLIAEVLYKIKCSV 90
 Db 61 EVKHCTDQISFKRSLIEKVLVIEVKCGV 90

RESULT 10
 US-09-583-169-2
 Sequence 2, Application US/09583-169
 Patent No. 6338948
 GENERAL INFORMATION:
 APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
 TITLE OF INVENTION: Human Endometrial Specific Steroid-
 Title of Invention: Binding Factor I, II and III
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CARELLA, BYRNE, BAIN, GILILLAN,
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/83,169
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 09/821,451
 ATTORNEY/AGENT INFORMATION:
 NAME: MILLINS, J.G.
 REGISTRATION NUMBER: 33,073
 REFERENCE/DOCKET NUMBER: 335800-521 (PF257)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 90 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDEDNESS:
 TOPOLogy: LINEAR
 MOLECULE TYPE: PROTEIN
 US-09-583-169-2

Query Match 61.6%; Score 277; DB 4; Length 90;
 Best Local Similarity 58.9%; Pred. No. 2.2e-27;
 Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

RESULT 11
 US-09-673-335A-200
 Sequence 200, Application US/09673395A
 Patent No. 6620923
 GENERAL INFORMATION:
 APPLICANT: SPRECHT, THOMAS
 APPLICANT: HINZMANN, BERND
 APPLICANT: SCHMITT, ARMIN
 APPLICANT: PILARSKY, CHRISTIAN
 APPLICANT: DAHL, EDGAR
 APPLICANT: ROSENTHAL, ANDRE
 TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE
 FILE REFERENCE: ALBRE-12
 CURRENT APPLICATION NUMBER: US/09/673,395A
 CURRENT FILING DATE: 2000-10-17
 NUMBER OF SEQ ID NOS: 637
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 200
 LENGTH: 79
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-673-335A-200

Query Match 54.2%; Score 244; DB 4; Length 79;
 Best Local Similarity 50.0%; Pred. No. 2.6e-33;
 Matches 47; Conservative 13; Mismatches 17; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTLAICCYQANAERCPALVSELDFFISEPLFKSLAKFDAPPEAVAKL 60
 Db 3 MRLSVCLLVLTLAICCYQAHALVCPAVASEITVFLSDAAVNQVAKLNPPPEALAKL 62

QY 61 GVERCTDPMSLQRSLIAEVLYKIKCSV 77
 Db 63 EVKHCTDQISFKRSLI 79

RESULT 12
 US-08-912-276-22
 Sequence 22, Application US/088912276
 Patent No. 6183952
 GENERAL INFORMATION:
 APPLICANT: Billing-Medel, Patricia A.
 APPLICANT: Cohen, Maurice
 APPLICANT: Colpitts, Tracey L.
 APPLICANT: Friedman, Paula N.
 APPLICANT: Gordon, Julian
 APPLICANT: Grandas, Edward N.
 APPLICANT: Hodges, Steven C.
 APPLICANT: Klass, Michael R.
 APPLICANT: Kratochvil, Jon D.
 APPLICANT: Roberts-Rapp, Disa
 APPLICANT: Russell, John C.
 APPLICANT: Stronge, Steven D.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA
 ZIP: 60044-3500
 COMPUTER READABLE FORM:

Db 1 IELSLCLLIM-LAVCCYEANASOICELVAHETISFLMKSEEBIKKELEMNAAPPAAVEAK 59
 Qy 60 LGVKRCTDQMSLQRSLTAEVILVILKKGCV 90
 Db 60 LEYKRCVDQMSNGDRLVVAETVYIFLGCV 90

RESULT 15
 US-09-263-810-25
 ; Sequence 25, Application US/09263810
 ; Patent No. 617992

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
 TITLE OF INVENTION: Human Endometrial Specific Steroid-
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CARILLA, BYRNE, BAIN, GILFILLIAN,
 STREET: 6 BECKER FARM ROAD
 CITY: ROSSLAND
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,810
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: MULLINS, J.G.
 REFERENCE/DOCKET NUMBER: 33,073
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:
 LENGTH: 90 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDEDNESS: SINGLE
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PROTEIN

US-09-263-810-25

Query Match Score 202; DB 3; Length 90;
 Best Local Similarity 48.4%; Pred. No. 5.4e-18;
 Matches 44; Conservative 15; Mismatches 30; Indels 2; Gaps 2;

Qy 1 MKLSVCLLILVTLALCCYQAN-ERCPALVSEELLDFPFFISPEPLKSLAKFDAPPEAVAK 59
 Db 1 IELSLCLLIM-LAVCCYEANASOICELVAHETISFLMKSEEBIKKELEMNAAPPAAVEAK 59

Qy 60 LGVKRCTDQMSLQRSLTAEVILVILKKGCV 90
 Db 60 LEYKRCVDQMSNGDRLVVAETVYIFLGCV 90

Search completed: March 11, 2004, 17:45:35
 Job time : 23 secs